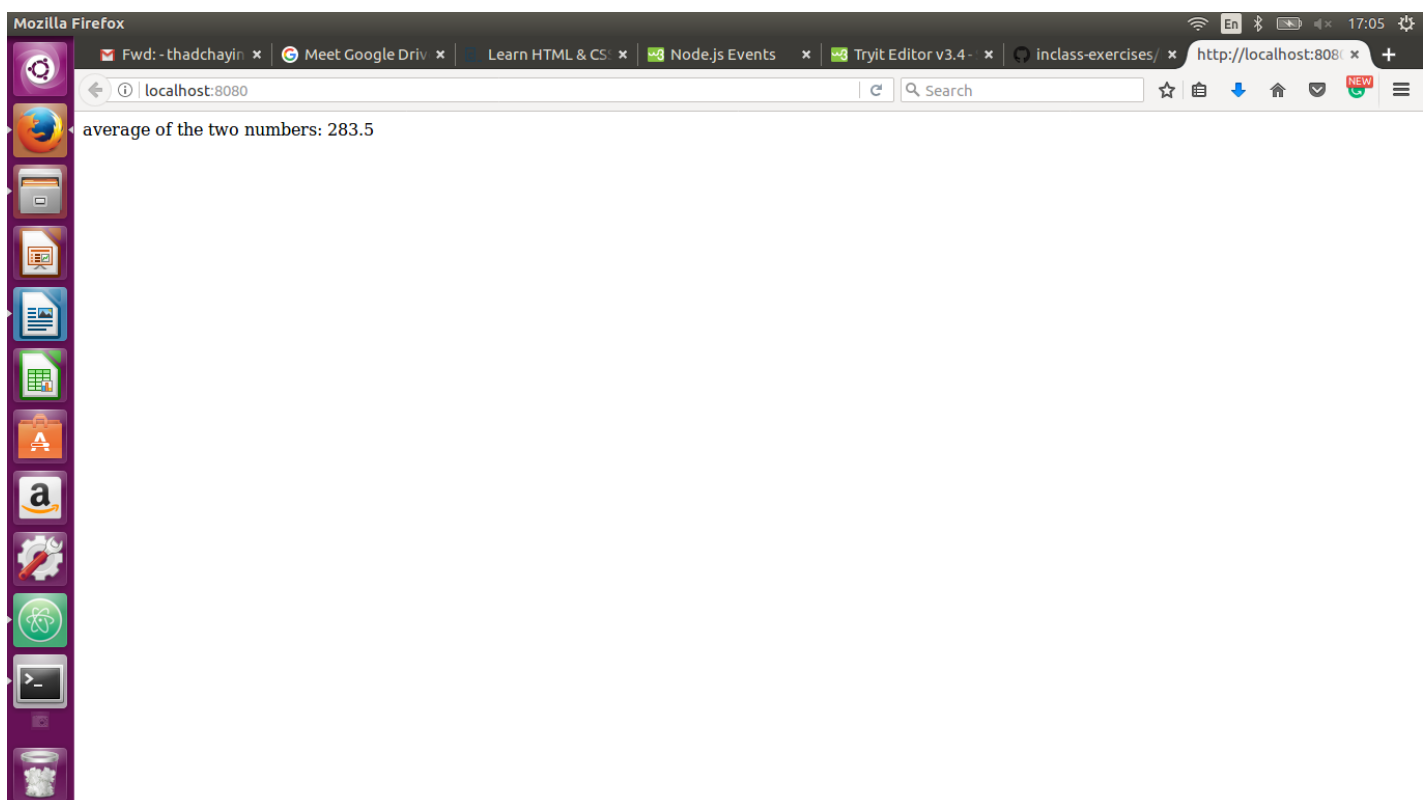


1)

```
var http = require('http');
var dt = require('./sum.js');
http.createServer(function (req, res) {
  res.writeHead(200, {'Content-Type': 'text/html'});
  res.write("average of the two numbers: " + dt.sum_average(123,321));
  res.end();
}).listen(8080);
```

```
exports.sum_average = function (num1,num2) {
  return (num1+num2/2);
};
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node average.js
```



2)

```
1 var http = require('http');
2
3 //create a server object:
4 http.createServer(function (req, res) {
5     res.write("Welcome to Uki.I am Thadchayini"); //write a response to the client
6     res.end(); //end the response
7 }).listen(8080); //the server object listens on port 8080
8 |
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node welcometouki.js
```

Welcome to Uki.I am Thadchayini

3)

```
var fs = require('fs');

fs.appendFile('ukinode.txt', 'Hello content!', function (err) {
    if (err) throw err;
    console.log('Saved!');
});
```

```
at bootstrap_node.js:505:5
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node uki.js
Saved!
```

3.1)

```
var fs = require('fs');

fs.writeFile('ukinode.txt', 'Uki life.Hello uki', function (err) {
  if (err) throw err;
  console.log('Saved!');
});
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node write.js
Saved!
```

3.2)

```
var http = require('http');
var fs = require('fs');
http.createServer(function (req, res) {
  fs.readFile('ukinode.txt', function(err, data) {
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write(data);
    res.end();
  });
}).listen(8080);
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node read.js
```

This is the second paragraph of Uki.

3.3)

```
var fs = require('fs');

fs.writeFile('ukinode.txt', ' This is the second paragraph of Uki.', function (err) {
  if (err) throw err;
  console.log('Updated!');
});
|
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node update.js
Updated!
```

3.4)

```
var fs = require('fs');

fs.rename('ukinode.txt', 'ukinodejsexercisel.txt', function (err) {
  if (err) throw err;
  console.log('File Renamed!');
});
|
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node rename.js
File Renamed!
```

3.5)

```
var fs = require('fs');

fs.unlink('ukinodejsexercisel.txt', function (err) {
  if (err) throw err;
  console.log('File deleted!');
});
|
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node delete.js
File deleted!
```

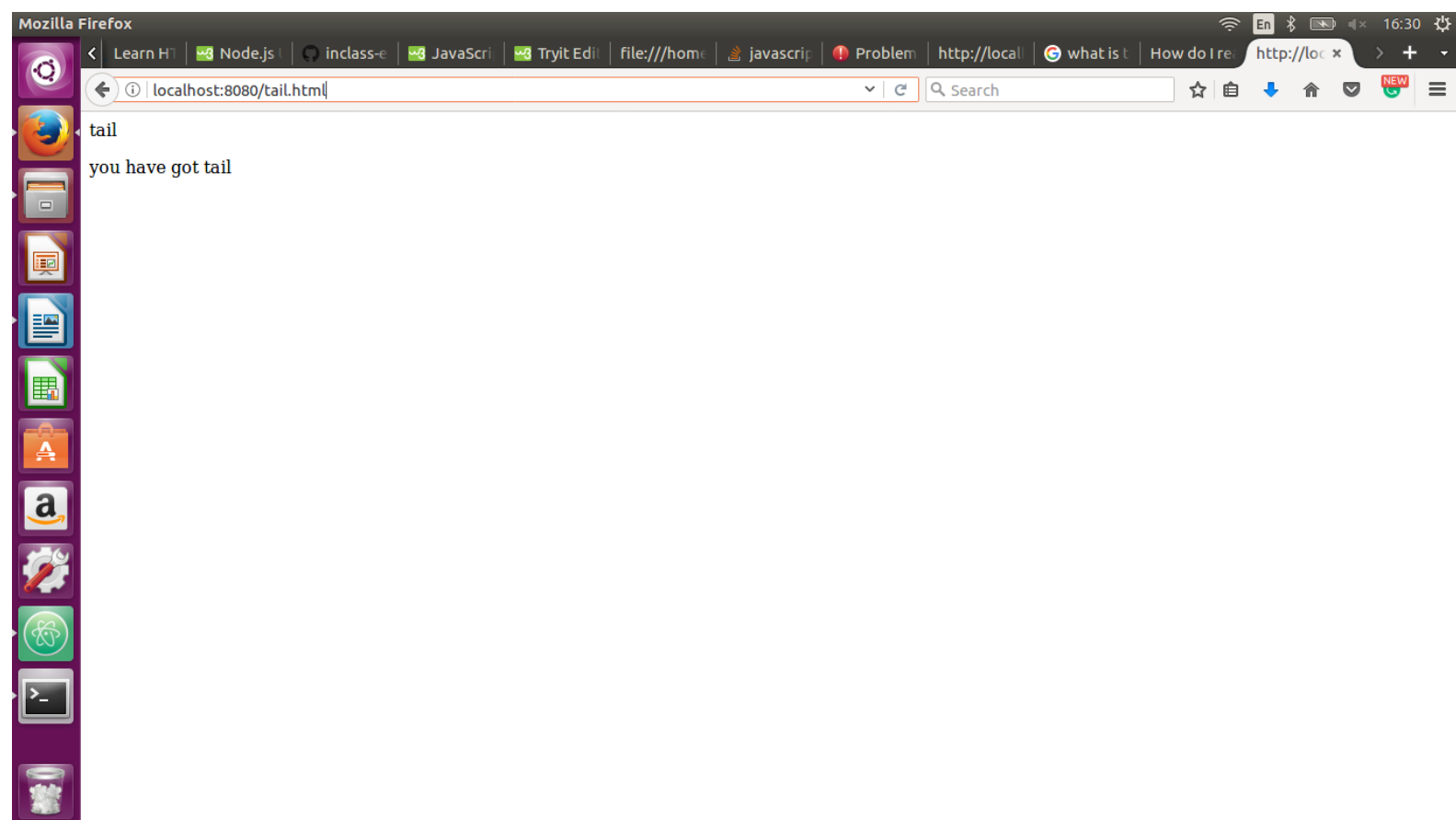
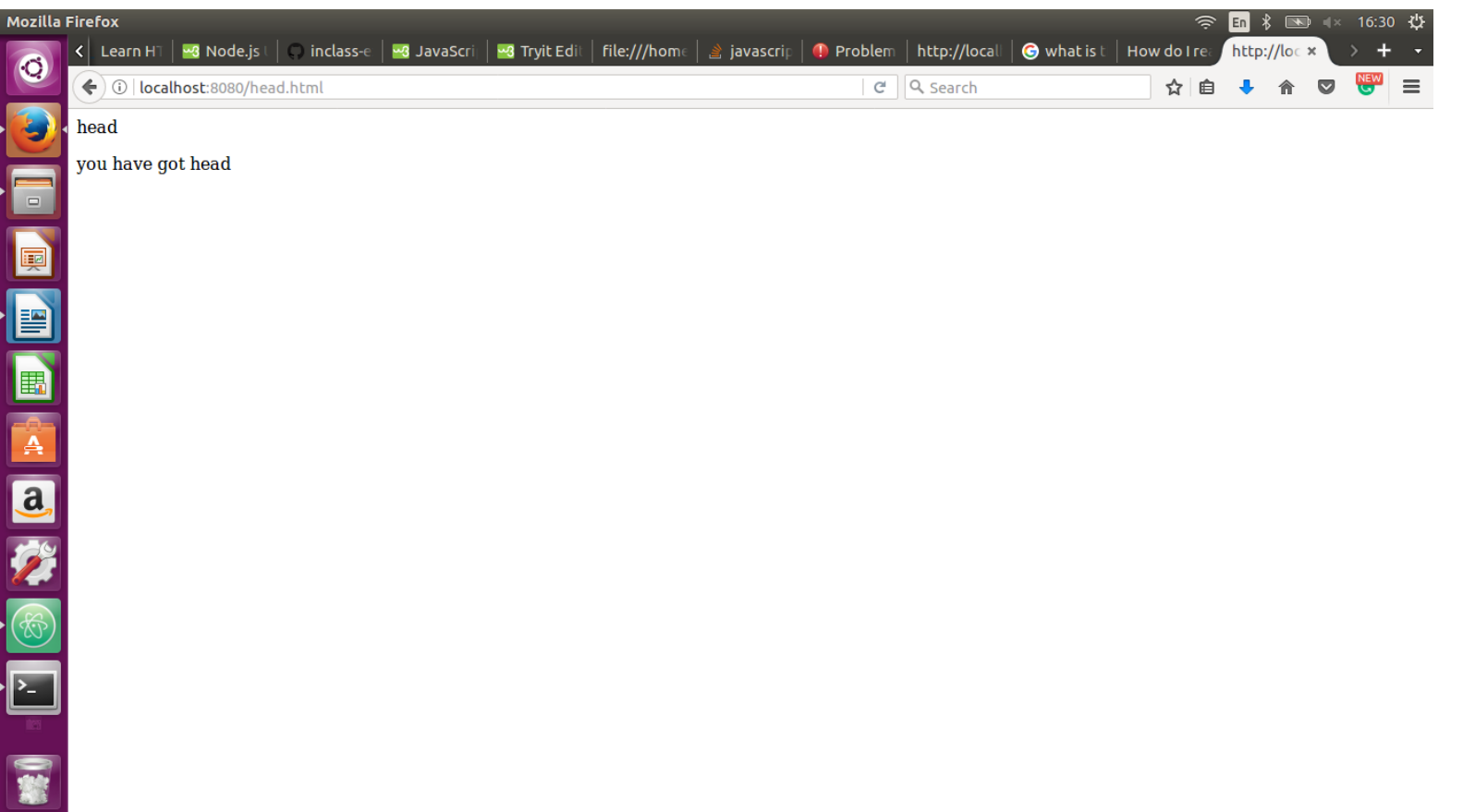
4)

```
<!DOCTYPE html>
<html>
<body>head</h1>
<p>you have got head</p>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>tail</h1>
<p>you have got tail</p>
</body>
</html>
```

```
var http = require('http');
var url = require('url');
var fs = require('fs');

http.createServer(function (req, res) {
  var q = url.parse(req.url, true);
  var filename = "." + q.pathname;
  fs.readFile(filename, function(err, data) {
    if (err) {
      res.writeHead(404, {'Content-Type': 'text/html'});
      return res.end("404 Not Found");
    }
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write(data);
    return res.end();
  });
}).listen(8080);
```

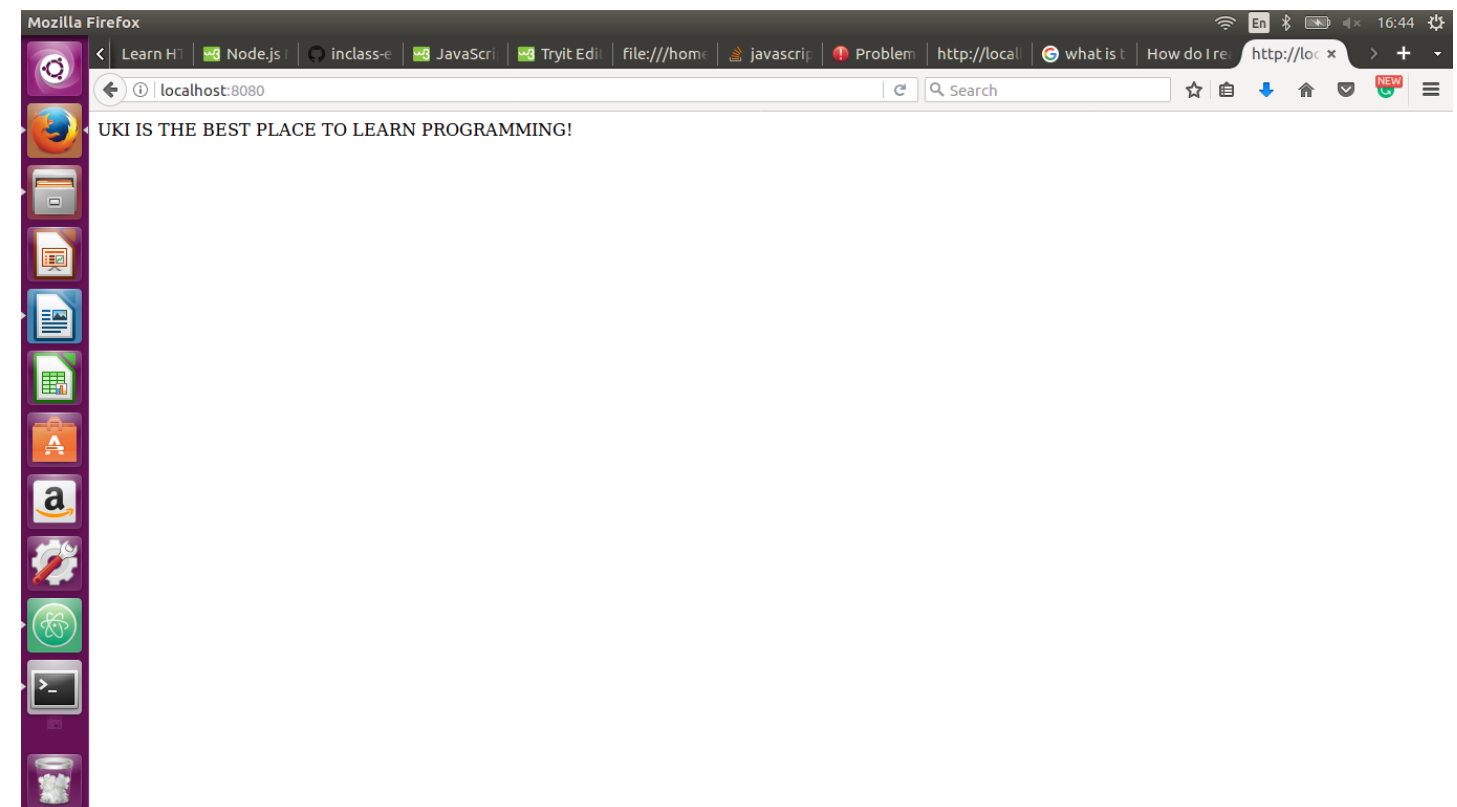


5)

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ npm install upper-case
/home/ukistu02/Documents/uki_exercise/nodejs
└─ upper-case@1.1.3

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu02/Documents/uki_exercise/nodejs/package.json'
npm WARN nodejs No description
npm WARN nodejs No repository field.
npm WARN nodejs No README data
npm WARN nodejs No license field.
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node uppercase.js
```



6)

```
var events = require('events');
var EventEmitter = new events.EventEmitter();

//Create an event handler:
var myEventHandler = function () {
  console.log('I bark when I see strangers');
}

//Assign the event handler to an event:
eventEmitter.on('bark', myEventHandler);

//Fire the 'scream' event:
eventEmitter.emit('bark');
```

```
ukistu02@ukipc02:~/Documents/uki_exercise/nodejs$ node fire.js
I bark when I see strangers
```

7)